

Table H. - Engineering Index Properties

King William County, Virginia

Absence of an entry indicates that the data were not estimated.

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
1A:												
Altavista	0-16	Loam	SC-SM	A-2-4	0	0	95-100	90-100	45-95	15-75	16-21	NP-4
		Sandy Loam	SM									
		Loamy Sand										
	16-40	Loam	CL	A-4	0	0	95-100	90-100	65-100	36-80	28-45	9-28
		Fine Sandy Loam	SC	A-6								
		Clay Loam	SC-SM	A-7								
		Sandy Clay Loam										
	40-65	Loamy Sand	CL	A-1-b	0	0	95-100	80-100	40-85	5-55	14-30	NP-11
		Sand	SC	A-2-4								
		Fine Sandy Loam	SC-SM	A-3								
		Sandy Loam	SM	A-4								
Tomotley	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
State	---				---	---	---	---	---	---	---	---

1B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
1B:												
Altavista	0-16	Loam	SC-SM	A-2-4	0	0	95-100	90-100	55-95	25-75	16-21	2-4
		Sandy Loam	SM	A-4								
		Fine Sandy Loam										
	16-40	Fine Sandy Loam	CL	A-4	0	0	95-100	90-100	65-100	36-80	28-45	9-28
		Loam	SC	A-6								
		Sandy Clay Loam	SC-SM	A-7								
		Clay Loam										
	40-65	Loamy Sand	CL	A-1-b	0	0	95-100	80-100	40-85	5-55	14-30	NP-11
		Sand	SC	A-2-4								
		Fine Sandy Loam	SC-SM	A-3								
		Sandy Loam	SM	A-4								
Tomotley	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
State	---				---	---	---	---	---	---	---	---

2A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
2A:												
Bama	0-13	Sandy Loam Loam Fine Sandy Loam	CL-ML ML SC SC-SM	A-4	0	0	95-100	80-100	50-95	25-75	13-27	NP-9
	13-37	Fine Sandy Loam Sandy Clay Loam Loam	CL CL-ML SC SC-SM	A-4 A-6	0	0	95-100	80-100	56-95	32-75	23-36	7-14
	37-70	Sandy Clay Loam Loam Fine Sandy Loam	CL SC SC-SM	A-4 A-6	0	0	95-100	80-100	56-95	32-75	25-39	8-16
Emporia	---				---	---	---	---	---	---	---	---
Eulonia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---

2B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
2B:												
Bama	0-13	Fine Sandy Loam Sandy Loam Loam	CL-ML ML SC SC-SM	A-4	0	0	95-100	80-100	50-95	25-75	13-27	NP-9
	13-37	Fine Sandy Loam Sandy Clay Loam Loam	CL CL-ML SC SC-SM	A-4 A-6	0	0	95-100	80-100	56-95	32-75	23-36	7-14
	37-70	Fine Sandy Loam Sandy Clay Loam Loam	CL SC SC-SM	A-4 A-6	0	0	95-100	80-100	56-95	32-75	25-39	8-16
Emporia	---				---	---	---	---	---	---	---	---
Eulonia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
3A:												
Bibb	0-15	Sand Silt Loam Loamy Sand Sandy Loam	SC-SM SM	A-1-b A-2-4 A-3	0	0	98-100	95-100	40-90	8-35	9-18	NP-4
	15-65	Gravelly Sand Loamy Sand Sandy Loam Silt Loam	CL-ML ML SC-SM SM	A-1-b A-2-4 A-3 A-4	0	0-6	80-100	75-100	40-100	5-90	9-23	NP-7

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
3A:												
Kinston	0-8	Sandy Loam	SC-SM	A-2-4	0	0	98-100	95-100	60-85	30-55	12-23	NP-7
		Fine Sandy Loam	SM	A-4								
	8-43	Gravelly Fine Sandy Loam	CL	A-4	0	0	80-100	70-100	50-100	30-80	23-38	7-15
		Clay Loam	CL-ML	A-6								
		Sandy Clay Loam										
		Loam										
	43-65	Fine Sandy Loam										
		Fine Sandy Loam	SC	A-1-b	0	0	80-100	70-100	35-85	5-55	9-25	NP-8
		Loamy Fine Sand	SC-SM	A-2-4								
		Sand	SM	A-3								
		Loamy Sand		A-4								
		Gravelly Sand										
Myatt	---				---	---	---	---	---	---	---	---
4A:												
Bohicket	0-8	Clay	CH	A-7-5	0	0	100	98-100	90-100	80-95	60-100	15-60
		Silty Clay	MH									
		Silty Clay Loam										
	8-65	Mucky Silty Clay Loam	CH	A-7-5	0	0	100	98-100	90-100	80-95	50-100	16-60
		Clay	MH									
		Silty Clay										
		Silty Clay Loam										
Lanexa	---				---	---	---	---	---	---	---	---
Mattan	---				---	---	---	---	---	---	---	---
Wehadkee	---				---	---	---	---	---	---	---	---

5A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
5A: Bojac	0-6	Very Gravelly Loamy Sand Gravelly Fine Sandy Loam Gravelly Sandy Loam Gravelly Loamy Sand	SC-SM SM	A-1-b A-2-4	0	0	80-100	35-75	20-64	5-40	15-20	NP-5
	6-40	Very Gravelly Fine Sandy Loam Gravelly Loam Gravelly Fine Sandy Loam Gravelly Sandy Loam	SC-SM SM	A-2-4 A-4	0	0	80-100	35-75	25-64	15-40	15-35	NP-10
	40-65	Gravelly Sand Very Gravelly Loamy Sand Gravelly Loamy Sand	SC-SM SM	A-1-b A-2-4 A-3	0	0-15	80-100	35-75	20-56	5-22	15-20	NP-5
Tomotley	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Tarboro	---				---	---	---	---	---	---	---	---
6A: Bojac	0-6	Fine Sandy Loam Sandy Loam Loamy Sand	CL-ML ML SC-SM	A-2-4 A-4	0	0	95-100	92-100	45-85	15-55	15-25	NP-7
	6-40	Fine Sandy Loam Sandy Loam Loam	ML SM	A-2-4 A-4	0	0	95-100	92-100	55-95	27-75	15-35	NP-10
	40-65	Fine Sand Stratified Coarse Sand To Loamy Fine Sand	SC-SM SM SP SW-SM	A-1 A-2-4 A-3	0	0	90-100	80-100	40-85	4-45	15-20	NP

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
6A:												
Tomotley	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---
State	---				---	---	---	---	---	---	---	---
Tarboro	---				---	---	---	---	---	---	---	---
6B:												
Bojac	0-6	Sandy Loam Loamy Sand Fine Sandy Loam	CL-ML ML SC-SM	A-2-4 A-4	0	0	95-100	92-100	45-85	15-55	15-25	NP-7
	6-40	Sandy Loam Loam Fine Sandy Loam	ML SM	A-2-4 A-4	0	0	95-100	92-100	55-95	27-75	15-35	NP-10
	40-65	Fine Sand Stratified Coarse Sand To Loamy Fine Sand	SC-SM SM SP SW-SM	A-1 A-2-4 A-3	0	0	90-100	80-100	40-85	4-45	15-20	NP
Tomotley	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
6B:												
Seabrook	---				---	---	---	---	---	---	---	---
State	---				---	---	---	---	---	---	---	---
Tarboro	---				---	---	---	---	---	---	---	---
7A:												
Catpoint	0-5	Loamy Sand	SC-SM	A-1-b	0	0	95-100	92-100	45-85	4-45	7-11	NP
		Loamy Fine Sand	SM	A-2-4								
		Fine Sand	SP	A-3								
		Sand	SP-SM									
	5-49	Loamy Fine Sand	SC-SM	A-1-b	0	0	90-100	80-100	40-85	4-45	7-16	NP-3
		Fine Sand	SM	A-2-4								
		Loamy Sand	SP-SM	A-3								
		Sand	SW									
			SW-SM									
	49-72	Sandy Loam	SM	A-1-b	0	0-3	90-100	80-100	40-85	4-45	7-16	NP-3
		Fine Sand	SP-SM	A-2-4								
		Sand	SW-SM	A-3								
		Loamy Sand										
Osier	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Kenansville	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---

8A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
8A:												
Conetoe	0-29	Fine Sand Loamy Sand Loamy Fine Sand Sand	SC-SM SM SP-SM	A-2-4 A-3	0	0	100	100	50-85	5-45	9-16	NP-3
	29-52	Fine Sandy Loam Sandy Clay Loam Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	100	100	60-90	30-55	16-27	3-9
	52-80	Loamy Fine Sand Fine Sand Sand Loamy Sand	SC-SM SM SP-SM	A-2-4 A-3	0	0	100	100	50-85	5-45	9-16	NP-3
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---
Tarboro	---				---	---	---	---	---	---	---	---
9A:												
Daleville	0-5	Loam Fine Sandy Loam Silt Loam	CL-ML ML	A-4	0	0	100	100	70-100	40-90	15-30	NP-7
	5-65	Clay Loam Sandy Clay Loam Loam	CL	A-6	0	0	100	100	80-100	35-80	28-38	11-20
Myatt	---				---	---	---	---	---	---	---	---
Eulonia	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
9A: Slagle	---				---	---	---	---	---	---	---	---
10A: Emporia	0-16	Sandy Loam	ML	A-2-4	0	0-3	95-100	92-100	55-95	27-75	13-23	NP-7
		Fine Sandy Loam	SM	A-4								
	16-45	Loam	CL	A-2-4	0	0-3	95-100	92-100	45-100	27-80	23-38	7-14
		Clay Loam	SC	A-4								
		Sandy Loam		A-6								
		Sandy Clay Loam										
	45-55	Clay	CL	A-2-4	0	0-3	95-100	92-100	45-100	27-95	26-43	9-18
		Clay Loam	SC	A-4								
		Sandy Clay Loam		A-6								
		Fine Sandy Loam		A-7								
	55-80	Sandy Loam	CL	A-2-4	0	0-3	95-100	92-100	45-100	27-95	12-43	NP-18
		Stratified Sandy Loam To	ML	A-4								
		Clay	SC	A-6								
			SM									
Bama	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Uchee	---				---	---	---	---	---	---	---	---

10B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
10B:												
Emporia	0-16	Loam	ML	A-2-4	0	0-3	95-100	92-100	55-95	27-75	13-23	NP-7
		Sandy Loam	SM	A-4								
		Fine Sandy Loam										
	16-45	Sandy Loam	CL	A-2-4	0	0-3	95-100	92-100	45-100	27-80	23-38	7-14
		Loam	SC	A-4								
		Clay Loam		A-6								
		Sandy Clay Loam										
	45-55	Clay	CL	A-2-4	0	0-3	95-100	92-100	45-100	27-95	26-43	9-18
		Fine Sandy Loam	SC	A-4								
		Clay Loam		A-6								
		Sandy Clay Loam		A-7								
	55-80	Sandy Loam	CL	A-2-4	0	0-3	95-100	92-100	45-100	27-95	12-43	NP-18
		Stratified Sandy Loam To	ML	A-4								
		Clay	SC	A-6								
			SM									
Bama	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
Uchee	---				---	---	---	---	---	---	---	---

11A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
11A:												
Eulonia	0-7	Loamy Sand	SC-SM	A-2-4	0	0	100	95-100	50-85	15-55	12-25	NP-8
		Sandy Loam	SM	A-4								
		Fine Sandy Loam										
		Loamy Fine Sand										
	7-31	Clay Loam	CL	A-6	0	0	100	95-100	85-100	45-95	38-47	15-20
		Clay	SC	A-7-6								
		Sandy Clay										
	31-60	Sandy Clay Loam	CL	A-4	0	0	100	95-100	80-100	35-80	25-47	8-20
		Sandy Clay	SC	A-6								
		Clay Loam	SC-SM									
	60-75	Sandy Clay	CL	A-2-4	0	0	100	95-100	60-100	30-80	16-43	3-18
		Clay Loam	CL-ML	A-4								
		Sandy Clay Loam	SC	A-6								
		Sandy Loam	SC-SM									
			SM									
Myatt	---				---	---	---	---	---	---	---	---
Daleville	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---

11B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
11B:												
Eulonia	0-7	Loamy Sand	SC-SM	A-2-4	0	0	100	95-100	50-85	15-55	12-25	NP-8
		Sandy Loam	SM	A-4								
		Fine Sandy Loam										
		Loamy Fine Sand										
	7-31	Clay	CL	A-6	0	0	100	95-100	85-100	45-95	38-47	15-20
		Sandy Clay	SC	A-7-6								
		Clay Loam										
	31-60	Sandy Clay Loam	CL	A-4	0	0	100	95-100	80-100	35-80	25-47	8-20
		Sandy Clay	SC	A-6								
		Clay Loam	SC-SM									
	60-75	Clay Loam	CL	A-2-4	0	0	100	95-100	60-100	30-80	16-43	3-18
		Sandy Clay	CL-ML	A-4								
		Sandy Loam	SC	A-6								
		Sandy Clay Loam	SC-SM									
			SM									
Myatt	---				---	---	---	---	---	---	---	---
Daleville	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---

12A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
12A:												
Eunola	0-10	Fine Sandy Loam	SC-SM	A-2-4	0	0	100	92-100	55-85	27-55	16-25	3-8
		Sandy Loam	SM	A-4								
	10-55	Sandy Loam	CL	A-2-4	0	0	100	92-100	55-100	27-80	23-38	7-15
		Fine Sandy Loam	SC	A-4								
		Clay Loam	SC-SM	A-6								
		Sandy Clay Loam										
	55-65	Loamy Sand	SC	A-2-4	0	0	100	92-100	45-90	15-55	14-29	1-10
		Sandy Clay Loam	SC-SM	A-4								
		Sandy Loam	SM									
Myatt	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
12B:												
Eunola	0-10	Fine Sandy Loam	SC-SM	A-2-4	0	0	100	92-100	55-85	27-55	16-25	3-8
		Sandy Loam	SM	A-4								
	10-55	Clay Loam	CL	A-2-4	0	0	100	92-100	55-100	27-80	23-38	7-15
		Sandy Clay Loam	SC	A-4								
		Sandy Loam	SC-SM	A-6								
		Fine Sandy Loam										
	55-65	Loamy Sand	SC	A-2-4	0	0	100	92-100	45-90	15-55	14-29	1-10
		Sandy Clay Loam	SC-SM	A-4								
		Sandy Loam	SM									
Myatt	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
13A:												

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
13A: Kempsville	0-18	Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM SM	A-2-4 A-4	0	0-2	90-100	80-100	50-85	25-55	12-20	NP-5
	18-36	Loam Fine Sandy Loam Sandy Loam	CL SC	A-2-4 A-4	0	0-2	90-100	80-100	50-95	25-75	18-29	4-10
	36-80	Sandy Loam Clay Loam Fine Sandy Loam Loam Sandy Clay Loam	CL SC	A-2-4 A-4 A-6	0	0-2	90-100	80-100	50-100	25-80	23-38	7-15
Emporia	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
13B: Kempsville	0-18	Fine Sandy Loam Sandy Loam	CL-ML ML SC-SM SM	A-2-4 A-4	0	0-2	90-100	80-100	50-85	25-55	12-20	NP-5
	18-36	Loam Fine Sandy Loam Sandy Loam	CL SC	A-2-4 A-4	0	0-2	90-100	80-100	50-95	25-75	18-29	4-10
	36-80	Clay Loam Sandy Loam Fine Sandy Loam Sandy Clay Loam Loam	CL SC	A-2-4 A-4 A-6	0	0-2	90-100	80-100	50-100	25-80	23-38	7-15

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
13B:												
Emporia	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
14A:												
Kenansville	0-34	Loamy Sand Sand	SC-SM SM SP-SM	A-2-4 A-3	0	0	100	95-100	50-75	5-30	10-16	NP-3
	34-45	Sandy Clay Loam Fine Sandy Loam Sandy Loam	SC-SM SM	A-2-4 A-4	0	0	100	95-100	60-90	30-55	12-23	NP-7
	45-70	Loamy Sand Sand	SC-SM SM SP-SM	A-2-4 A-3	0	0	100	95-100	50-75	5-30	8-16	NP-3
Catpoint	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
14A:												
15A:												
Lanexa	0-26	Mucky Silty Clay	CH	A-7-6	0	0	100	95-100	90-100	70-95	36-66	17-41
		Mucky Silt Loam	CL									
		Mucky Silty Clay Loam										
	26-48	Muck	PT	A-8	0	0	100	95-100	95-100	85-100	---	---
	48-80	Mucky Silty Clay	CH	A-7-6	0	0	100	95-100	90-100	75-95	51-76	29-49
		Stratified Mucky Clay										
Bohicket	---				---	---	---	---	---	---	---	---
Mattan	---				---	---	---	---	---	---	---	---
Wehadkee	---				---	---	---	---	---	---	---	---
16A:												
Mattan	0-14	Mucky Loam	CL	A-6	0	0	100	100	70-100	40-95	30-40	10-20
		Mucky Clay Loam										
		Mucky Silty Clay Loam										
		Mucky Sandy Loam										
	14-40	Muck	PT	A-8	0	0	100	100	95-100	90-100	---	---
	40-80	Sandy Clay Loam	CL	A-2-4	0	0	100	100	50-100	15-95	15-40	NP-20
		Mucky Sandy Clay Loam	ML	A-4								
		Mucky Loamy Sand	SC	A-6								
		Stratified Loamy Sand To	SM									
		Mucky Loamy Sand To Silty										
		Clay Loam To Mucky Silty										
		Clay Loam										
Lanexa	---				---	---	---	---	---	---	---	---
Wehadkee	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
16A:												
17A:												
Munden	0-13	Loamy Sand Fine Sandy Loam Loamy Fine Sand Sandy Loam Loam	SC-SM SM	A-2-4 A-4	0	0	100	92-100	45-95	15-75	15-21	NP-4
	13-44	Fine Sandy Loam Loam Sandy Loam	SC SC-SM SM	A-2-4 A-4	0	0	100	92-100	55-95	27-75	19-28	2-9
	44-60	Fine Sand Loamy Sand Loamy Fine Sand Sand	SC-SM SM SP-SC SP-SM	A-2-4 A-3	0	0	100	92-100	45-85	5-45	14-30	NP-11
Tomotley	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---
Tarboro	---				---	---	---	---	---	---	---	---

18A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
18A: Myatt	0-17	Fine Sandy Loam Loamy Fine Sand Loamy Sand Loam	CL-ML ML	A-4	0	0	95-100	95-100	50-95	15-75	15-25	NP-5
	17-40	Fine Sandy Loam Clay Loam Sandy Clay Loam Loam	CL ML SC SM	A-4	0	0	95-100	95-100	66-100	40-80	15-30	NP-10
	40-65	Sand Gravelly Sand Stratified Sand To Gravelly Sand To Clay Loam	CL CL-ML SC SC-SM SP-SC	A-1-b A-2-6 A-4 A-6	0	0	75-100	60-90	30-80	3-70	15-40	5-20
Daleville	---				---	---	---	---	---	---	---	---
Osier	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---

19A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
19A:												
Nansemond	0-16	Fine Sandy Loam Sandy Loam Loamy Sand Loamy Fine Sand	SC-SM SM	A-1 A-2-4 A-4	0	0	95-100	92-100	45-85	15-55	11-16	NP-3
	16-42	Fine Sandy Loam Sandy Loam Gravelly Sandy Loam	SC-SM SM	A-2-4 A-4	0	0	80-100	50-100	30-85	15-55	16-23	3-7
	42-60	Gravelly Sand Fine Sand Sand Loamy Fine Sand Loamy Sand	SC-SM SM SP-SM	A-1 A-2-4 A-3 A-4	0	0	80-100	50-100	25-85	2-45	9-18	NP-4
Myatt	---				---	---	---	---	---	---	---	---
Osier	---				---	---	---	---	---	---	---	---
Catpoint	---				---	---	---	---	---	---	---	---
Eunola	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---
Rumford	---				---	---	---	---	---	---	---	---

20A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
20A:												
Osier	0-7	Loamy Sand	SC-SM	A-2-4	0	0	100	98-100	50-85	5-45	10-16	NP-2
		Loamy Fine Sand	SM									
		Sand										
		Fine Sand										
	7-30	Loamy Fine Sand	SC-SM	A-2-4	0	0	100	98-100	50-85	5-45	10-16	NP-2
		Fine Sand	SM	A-3								
		Sand										
		Loamy Sand										
	30-60	Sand	SP-SM	A-2-4	0	0	100	98-100	50-85	5-45	10-16	NP-2
		Loamy Fine Sand		A-3								
		Loamy Sand										
		Fine Sand										
Myatt	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
Pactolus	---				---	---	---	---	---	---	---	---
21A:												
Pactolus	0-33	Fine Sand	SC-SM	A-2-4	0	0	100	100	50-85	5-45	9-18	NP-4
		Sand	SM	A-3								
		Loamy Fine Sand	SP-SM									
		Loamy Sand										
	33-60	Fine Sand	SC-SM	A-2-4	0	0	100	100	50-85	5-45	9-18	NP-4
		Loamy Fine Sand	SM	A-3								
		Loamy Sand	SP-SM									
		Sand										
Myatt	---				---	---	---	---	---	---	---	---
Osier	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
21A:												
Catpoint	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
22D:												
Remlik	0-22	Gravelly Sand	SC-SM	A-1-b	0	0	90-100	50-100	25-85	2-45	7-16	NP-3
		Sand	SM	A-2-4								
		Loamy Sand	SP	A-3								
		Loamy Fine Sand	SP-SM									
	22-70	Sandy Clay Loam	SC	A-2-4	0	0	98-100	50-100	30-90	15-55	14-34	NP-13
		Sandy Loam	SC-SM	A-4								
		Gravelly Sandy Loam	SM	A-6								
		Fine Sandy Loam										
Nevarc	0-6	Silt Loam	SC-SM	A-2-4	0	0	90-100	80-100	50-100	25-90	14-23	1-7
		Loam	SM	A-4								
		Fine Sandy Loam										
		Sandy Loam										
	6-40	Silty Clay Loam	CH	A-6	0	0	90-100	80-100	65-100	30-95	38-56	15-25
		Sandy Clay Loam	CL									
		Clay	ML									
		Clay Loam										
	40-60	Stratified Sand To Clay To	SC	A-2-4	0	0	80-100	50-100	25-100	2-95	12-52	NP-23
		Gravelly Sand	SC-SM	A-4								
		Sandy Clay	SM	A-6								
				A-7-6								
Bibb	---				---	---	---	---	---	---	---	---
Kinston	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
22D:												
Kempsville	---				---	---	---	---	---	---	---	---
Rumford	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
22F:												
Remlik	0-22	Gravelly Sand	SC-SM	A-1-b	0	0	90-100	50-100	25-85	2-45	7-16	NP-3
		Loamy Fine Sand	SM	A-2-4								
		Sand	SP	A-3								
		Loamy Sand	SP-SM									
	22-70	Gravelly Sandy Loam	SC	A-2-4	0	0	98-100	50-100	30-90	15-55	14-34	NP-13
		Fine Sandy Loam	SC-SM	A-4								
		Sandy Clay Loam	SM	A-6								
		Sandy Loam										
Nevarc	0-6	Silt Loam	SC-SM	A-2-4	0	0	90-100	80-100	50-100	25-90	14-23	1-7
		Loam	SM	A-4								
		Fine Sandy Loam										
		Sandy Loam										
	6-40	Clay	CH	A-6	0	0	90-100	80-100	65-100	30-95	38-56	15-25
		Sandy Clay Loam	CL									
		Clay Loam	ML									
		Silty Clay Loam										
	40-60	Stratified Sand To Clay To	SC	A-2-4	0	0	80-100	50-100	25-100	2-95	12-52	NP-23
		Gravelly Sand	SC-SM	A-4								
		Sandy Clay	SM	A-6								
				A-7-6								
Bibb	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
22F:												
Kinston	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Rumford	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---
23A:												
Riverview	0-12	Loam	SC-SM	A-2-4	0	0	95-100	90-100	65-95	25-75	15-21	NP-4
		Fine Sandy Loam	SM	A-4								
		Loamy Fine Sand										
	12-65	Silty Clay Loam	CL	A-4	0	0	100	100	70-100	40-95	28-43	9-21
		Loam		A-6								
		Fine Sandy Loam										
		Silt Loam										
		Clay Loam										
		Sandy Clay Loam										
Mattan	---				---	---	---	---	---	---	---	---
Wehadkee	---				---	---	---	---	---	---	---	---

24A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
24A:												
Roanoke	0-12	Loam Fine Sandy Loam Silt Loam	CL CL-ML SC SC-SM	A-4 A-6	0	0	95-100	85-100	60-100	35-90	21-36	4-16
	12-23	Silty Clay Loam Clay Loam	CL	A-6 A-7-6	0	0	95-100	85-100	80-100	60-95	30-43	11-21
	23-46	Silty Clay Clay Silty Clay Loam Clay Loam	CH CL	A-7-6	0	0	95-100	85-100	80-100	60-95	43-66	21-39
	46-65	Sandy Clay Loam Stratified Sand To Clay	CH CL-ML ML SC SM	A-1 A-2-4 A-4 A-6	0	0-3	90-100	80-100	40-100	5-95	16-57	NP-32
Tomotley	---				---	---	---	---	---	---	---	---
Altavista	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---

25A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
25A: Seabrook	0-4	Loamy Sand Loamy Fine Sand Sand Fine Sand	SC-SM SM	A-1-b A-2-4 A-3	0	0	95-100	80-100	40-85	5-45	9-18	NP-4
	4-41	Loamy Sand Sand Fine Sand Loamy Fine Sand	SC-SM SM	A-1-b A-2-4 A-3	0	0	95-100	80-100	40-85	5-45	9-18	NP-4
	41-72	Gravelly Sand Sand Loamy Sand Loamy Fine Sand Fine Sand	SC-SM SM SP-SM	A-1-b A-2-4 A-3	0	0	70-100	50-100	25-85	2-45	9-18	NP-4
Bojac	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Tarboro	---				---	---	---	---	---	---	---	---

26A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
26A:												
Slagle	0-14	Fine Sandy Loam	CL-ML	A-4	0	0-3	95-100	92-100	55-95	30-75	16-31	3-11
		Sandy Loam	ML									
		Loam										
	14-34	Clay Loam	CL	A-4	0	0-3	95-100	92-100	55-100	30-80	18-38	4-15
		Loam	CL-ML	A-6								
		Sandy Loam	SC									
		Sandy Clay Loam	SC-SM									
		Fine Sandy Loam										
	34-62	Loam	CL	A-4	0	0-3	95-100	92-100	55-100	30-95	23-47	7-20
		Sandy Clay Loam	SC	A-6								
		Clay		A-7-6								
		Sandy Clay										
		Fine Sandy Loam										
		Sandy Loam										
		Clay Loam										
Myatt	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Eulonia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---

26B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
26B:												
Slagle	0-14	Fine Sandy Loam	CL-ML	A-4	0	0-3	95-100	92-100	55-95	30-75	16-31	3-11
		Sandy Loam	ML									
		Loam										
	14-34	Sandy Clay Loam	CL	A-4	0	0-3	95-100	92-100	55-100	30-80	18-38	4-15
		Fine Sandy Loam	CL-ML	A-6								
		Clay Loam	SC									
		Loam	SC-SM									
		Sandy Loam										
	34-62	Clay	CL	A-4	0	0-3	95-100	92-100	55-100	30-95	23-47	7-20
		Fine Sandy Loam	SC	A-6								
		Sandy Clay		A-7-6								
		Sandy Loam										
		Sandy Clay Loam										
		Loam										
		Clay Loam										
Myatt	---				---	---	---	---	---	---	---	---
Emporia	---				---	---	---	---	---	---	---	---
Eulonia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Suffolk	---				---	---	---	---	---	---	---	---

27A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
27A:												
State	0-13	Loam Very Fine Sandy Loam Fine Sandy Loam Loamy Fine Sand	SC-SM SM	A-2-4	0	0	95-100	92-100	65-95	25-65	14-25	NP-7
	13-50	Sandy Loam Sandy Clay Loam Clay Loam Loam	CL SC	A-4 A-6	0	0	95-100	92-100	55-100	30-80	28-43	9-21
	50-65	Gravelly Sand Sandy Loam Loamy Sand Loamy Fine Sand Sand	SC-SM SM SP-SM	A-2-4 A-3 A-4	0	0	85-100	60-100	30-85	5-45	14-25	NP-7
Tomotley	---				---	---	---	---	---	---	---	---
Altavista	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Wickham	---				---	---	---	---	---	---	---	---

27B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
27B:												
State	0-13	Loam Very Fine Sandy Loam Fine Sandy Loam Loamy Fine Sand	SC-SM SM	A-2-4	0	0	95-100	92-100	65-95	25-65	14-25	NP-7
	13-50	Clay Loam Sandy Loam Sandy Clay Loam Loam	CL SC	A-4 A-6	0	0	95-100	92-100	55-100	30-80	28-43	9-21
	50-65	Gravelly Sand Sandy Loam Loamy Sand Loamy Fine Sand Sand	SC-SM SM SP-SM	A-2-4 A-3 A-4	0	0	85-100	60-100	30-85	5-45	14-25	NP-7
Tomotley	---				---	---	---	---	---	---	---	---
Altavista	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Wickham	---				---	---	---	---	---	---	---	---

28A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
28A:												
Suffolk	0-10	Fine Sandy Loam	SC-SM	A-1-b	0	0	95-100	92-100	45-85	15-55	11-16	NP-3
		Sandy Loam	SM	A-2-4								
		Loamy Sand		A-4								
	10-38	Sandy Loam	CL	A-2-4	0	0	95-100	92-100	55-95	30-75	16-37	3-15
		Fine Sandy Loam	SC	A-4								
		Loam		A-6								
		Sandy Clay Loam										
	38-65	Fine Sand	SC-SM	A-1-b	0	0	75-100	55-100	30-85	3-45	11-16	NP-3
		Loamy Sand	SM	A-2-4								
		Sand	SP	A-3								
		Loamy Fine Sand	SP-SM	A-4								
		Gravelly Sand										
Rumford	0-15	Loamy Sand	SC-SM	A-2-4	0	0	90-100	80-100	40-85	15-55	12-20	NP-5
		Fine Sandy Loam	SM	A-4								
		Sandy Loam										
	15-30	Sandy Clay Loam	SC	A-2-4	0	0	90-100	80-100	50-90	25-55	14-30	1-11
		Sandy Loam	SC-SM	A-4								
		Fine Sandy Loam	SM	A-6								
	30-65	Stratified Sand To Sandy	SM	A-1-b	0	0	80-100	35-100	20-90	2-55	9-30	NP-11
		Clay Loam To Gravelly Very	SP	A-2-4								
		Gravelly Sand	SP-SC	A-3								
		Sand		A-4								
Emporia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
28B:												
Suffolk	0-10	Fine Sandy Loam	SC-SM	A-1-b	0	0	95-100	92-100	45-85	15-55	11-16	NP-3
		Sandy Loam	SM	A-2-4								
		Loamy Sand		A-4								
	10-38	Sandy Loam	CL	A-2-4	0	0	95-100	92-100	55-95	30-75	16-37	3-15
		Fine Sandy Loam	SC	A-4								
		Loam		A-6								
		Sandy Clay Loam										
	38-65	Fine Sand	SC-SM	A-1-b	0	0	75-100	55-100	30-85	3-45	11-16	NP-3
		Sand	SM	A-2-4								
		Loamy Sand	SP	A-3								
		Gravelly Sand	SP-SM	A-4								
		Loamy Fine Sand										
Rumford	0-15	Loamy Fine Sand	SC-SM	A-2-4	0	0	90-100	80-100	40-85	15-55	12-20	NP-5
		Loamy Sand	SM	A-4								
		Fine Sandy Loam										
		Sandy Loam										
	15-30	Fine Sandy Loam	SC	A-2-4	0	0	90-100	80-100	50-90	25-55	14-30	1-11
		Sandy Clay Loam	SC-SM	A-4								
		Sandy Loam	SM	A-6								
	30-65	Stratified Sand To Sandy	SM	A-1-b	0	0	80-100	35-100	20-90	2-55	9-30	NP-11
		Clay Loam To Gravelly Very	SP	A-2-4								
		Gravelly Sand	SP-SC	A-3								
		Sand		A-4								
Emporia	---				---	---	---	---	---	---	---	---
Kempsville	---				---	---	---	---	---	---	---	---
Nansemond	---				---	---	---	---	---	---	---	---
Slagle	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
28B:												
29B:												
Tarboro	0-9	Sand	SM	A-1-b	0	0	95-100	92-100	45-85	5-45	15-23	NP-6
		Loamy Fine Sand	SP-SM	A-2-4								
		Loamy Sand	SW-SM	A-3								
	9-80	Gravelly Sand	SM	A-1-b	0	0	80-100	70-100	35-75	5-30	14-18	NP-2
		Loamy Sand	SP-SM	A-2-4								
		Coarse Sand	SW-SM	A-3								
		Sand										
Bojac	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---
29D:												
Tarboro	0-9	Loamy Fine Sand	SM	A-1-b	0	0	95-100	92-100	45-85	5-45	15-23	NP-6
		Loamy Sand	SP-SM	A-2-4								
		Sand	SW-SM	A-3								
	9-80	Coarse Sand	SM	A-1-b	0	0	80-100	70-100	35-75	5-30	14-18	NP-2
		Sand	SP-SM	A-2-4								
		Gravelly Sand	SW-SM	A-3								
		Loamy Sand										
Bojac	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
29D:												
Seabrook	---				---	---	---	---	---	---	---	---
29F:												
Tarboro	0-9	Loamy Fine Sand	SM	A-1-b	0	0	95-100	92-100	45-85	5-45	15-23	NP-6
		Loamy Sand	SP-SM	A-2-4								
		Sand	SW-SM	A-3								
	9-80	Loamy Sand	SM	A-1-b	0	0	80-100	70-100	35-75	5-30	14-18	NP-2
		Gravelly Sand	SP-SM	A-2-4								
		Sand	SW-SM	A-3								
		Coarse Sand										
Bojac	---				---	---	---	---	---	---	---	---
Conetoe	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---

30A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
30A:												
Tomotley	0-17	Loamy Fine Sand	SC-SM	A-2-4	0	0	98-100	95-100	50-85	15-55	16-30	NP-11
		Loamy Sand	SM	A-4								
		Fine Sandy Loam										
		Loam										
		Sandy Loam										
	17-52	Fine Sandy Loam	CL	A-2-4	0	0	98-100	95-100	60-100	30-80	28-43	9-21
		Sandy Loam	SC	A-4								
		Loam	SC-SM	A-6								
		Sandy Clay Loam										
		Clay Loam										
	52-65	Loam	CL	A-2-4	0	0	98-100	95-100	60-95	30-60	21-52	4-28
		Sandy Loam	CL-ML	A-4								
		Sandy Clay	SC	A-6								
		Sandy Clay Loam	SC-SM	A-7-6								
		Fine Sandy Loam										
Roanoke	---				---	---	---	---	---	---	---	---
Altavista	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
Seabrook	---				---	---	---	---	---	---	---	---
31B:												
Udorthents	---				---	---	---	---	---	---	---	---

32A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
32A: Wehadkee	0-10	Silt Loam Sandy Loam Fine Sandy Loam Very Fine Sandy Loam Loam	ML SC SC-SM SM	A-2-4 A-4	0	0	100	95-100	60-100	30-90	16-30	NP-11
	10-44	Clay Loam Loam Sandy Clay Loam Silt Loam Silty Clay Loam	CL CL-ML SC	A-4 A-6 A-7	0	0	100	95-100	80-100	35-95	25-43	7-21
	44-70	Clay Loam Loam Sandy Loam Loamy Sand Sand	CL CL-ML ML SC	A-4 A-6 A-7	0	0	100	95-100	50-100	5-80	14-43	NP-21
Mattan	---				---	---	---	---	---	---	---	---
Riverview	---				---	---	---	---	---	---	---	---

33A:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
33A: Wickham	0-15	Fine Sandy Loam Loam Loamy Sand Sandy Loam Loamy Fine Sand	SC-SM SM	A-1-b A-2-4	0	0	95-100	85-100	45-95	15-75	16-21	NP-4
	15-37	Loam Clay Loam Sandy Clay Loam	CL SC	A-2-4 A-4 A-6 A-7-6	0	0	95-100	85-100	70-100	30-80	28-43	9-21
	37-70	Loamy Fine Sand Sand Sandy Clay Loam Sandy Loam Gravelly Sand	CL SC SM	A-1-b A-2-4 A-3 A-4 A-6	0	0	80-100	70-100	35-90	5-55	14-39	NP-18
Altavista	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
State	---				---	---	---	---	---	---	---	---

33B:

Table H. - Engineering Index Properties - Continued

King William County, Virginia

Map Symbol and Soil Name	Depth	USDA Texture	Classification		Fragments		Percent Passing Sieve Number				Liquid Limit	Plasticity Index
			Unified	AASHTO	>10 Inches	3-10 Inches	4	10	40	200		
	In				Pct	Pct					Pct	
33B:												
Wickham	0-15	Loam	SC-SM	A-1-b	0	0	95-100	85-100	45-95	15-75	16-21	NP-4
		Fine Sandy Loam	SM	A-2-4								
		Sandy Loam										
		Loamy Sand										
		Loamy Fine Sand										
	15-37	Loam	CL	A-2-4	0	0	95-100	85-100	70-100	30-80	28-43	9-21
		Clay Loam	SC	A-4								
		Sandy Clay Loam		A-6								
				A-7-6								
	37-70	Sandy Clay Loam	CL	A-1-b	0	0	80-100	70-100	35-90	5-55	14-39	NP-18
		Sand	SC	A-2-4								
		Loamy Fine Sand	SM	A-3								
		Gravelly Sand		A-4								
		Sandy Loam		A-6								
Altavista	---				---	---	---	---	---	---	---	---
Bojac	---				---	---	---	---	---	---	---	---
Munden	---				---	---	---	---	---	---	---	---
State	---				---	---	---	---	---	---	---	---
W:												
Water	---				---	---	---	---	---	---	---	---